

INPUT SET: S36415.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.



1

SEQUENCE LISTING

2

3 (1) General Information

4

5 (i) APPLICANT: Shah, Purvi
6 Hillman, Jennifer L.
7 Lal, Preeti
8 Corley, Neil C.

9

10 (ii) TITLE OF THE INVENTION: NEW GLUTATHIONE-S-TRANSFERASE

11

12 (iii) NUMBER OF SEQUENCES: 3

13

14 (iv) CORRESPONDENCE ADDRESS:
15 (A) ADDRESSEE: Incyte Pharmaceuticals, Inc.
16 (B) STREET: 3174 Porter Drive
17 (C) CITY: Palo Alto
18 (D) STATE: CA
19 (E) COUNTRY: USA
20 (F) ZIP: 94304

21

22 (v) COMPUTER READABLE FORM:
23 (A) MEDIUM TYPE: Diskette
24 (B) COMPUTER: IBM Compatible
25 (C) OPERATING SYSTEM: DOS
26 (D) SOFTWARE: FastSEQ for Windows Version 2.0

27

28 (vi) CURRENT APPLICATION DATA:
29 (A) APPLICATION NUMBER: 09/441,723
30 (B) FILING DATE:
31 (C) CLASSIFICATION:

32

33 (vii) PRIOR APPLICATION DATA:
34 (A) APPLICATION NUMBER: 08/978,174
35 (B) FILING DATE:

36

37 (viii) ATTORNEY/AGENT INFORMATION:
38 (A) NAME: Billings, Lucy J.
39 (B) REGISTRATION NUMBER: 36,749
40 (C) REFERENCE/DOCKET NUMBER: PF-0430 US

41

42 (ix) TELECOMMUNICATION INFORMATION:
43 (A) TELEPHONE: 650-855-0555
44 (B) TELEFAX: 650-845-4166
45 (C) TELEX:
46

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INPUT SET: S36415.raw

47
48 (2) INFORMATION FOR SEQ ID NO:1:
49

50 (i) SEQUENCE CHARACTERISTICS:
51 (A) LENGTH: 226 amino acids
52 (B) TYPE: amino acid
53 (C) STRANDEDNESS: single
54 (D) TOPOLOGY: linear

55
56 (vii) IMMEDIATE SOURCE:
57 (A) LIBRARY: BLADTUT04
58 (B) CLONE: 1554593

59 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

60
61 Met Gly Pro Leu Pro Arg Thr Val Glu Leu Phe Tyr Asp Val Leu Ser
62 1 5 10 15
63 Pro Tyr Ser Trp Leu Gly Phe Glu Ile Leu Cys Arg Tyr Gln Asn Ile
64 20 25 30
65 Trp Asn Ile Asn Leu Gln Leu Arg Pro Ser Leu Ile Thr Gly Ile Met
66 35 40 45
67 Lys Asp Ser Gly Asn Lys Pro Pro Gly Leu Leu Pro Arg Lys Gly Leu
68 50 55 60
69 Tyr Met Ala Asn Asp Leu Lys Leu Leu Arg His His Leu Gln Ile Pro
70 65 70 75 80
71 Ile His Phe Pro Lys Asp Phe Leu Ser Val Met Leu Glu Lys Gly Ser
72 85 90 95
73 Leu Ser Ala Met Arg Phe Leu Thr Ala Val Asn Leu Glu His Pro Glu
74 100 105 110
75 Met Leu Glu Lys Ala Ser Arg Glu Leu Trp Met Arg Val Trp Ser Arg
76 115 120 125
77 Asn Glu Asp Ile Thr Glu Pro Gln Ser Ile Leu Ala Ala Glu Lys
78 130 135 140
79 Ala Gly Met Ser Ala Glu Gln Ala Gln Gly Leu Leu Glu Lys Ile Ala
80 145 150 155 160
81 Thr Pro Lys Val Lys Asn Gln Leu Lys Glu Thr Thr Glu Ala Ala Cys
82 165 170 175
83 Arg Tyr Gly Ala Phe Gly Leu Pro Ile Thr Val Ala His Val Asp Gly
84 180 185 190
85 Gln Thr His Met Leu Phe Gly Ser Asp Arg Met Glu Leu Leu Ala His
86 195 200 205
87 Leu Leu Gly Glu Lys Trp Met Gly Pro Ile Pro Pro Ala Val Asn Ala
88 210 215 220
89 Arg Leu
90
91 225
92

93 (2) INFORMATION FOR SEQ ID NO:2:
94

95 (i) SEQUENCE CHARACTERISTICS:
96 (A) LENGTH: 1035 base pairs
97 (B) TYPE: nucleic acid
98 (C) STRANDEDNESS: single
99 (D) TOPOLOGY: linear

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/441,723DATE: 02/21/2001
TIME: 23:50:49

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100
 101 (vii) IMMEDIATE SOURCE:
 102 (A) LIBRARY: BLADTUT04
 103 (B) CLONE: 1554593
 104
 105 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
 106
 107 GGGCAGCCCTC TGCCGGGTTC CGGGAAAAGG AGCTCCGTCT GCCACTGCTC TTCCGGAGCC 60
 108 TGCAGCATGG GGCCCCTGCC GCGCACCGTG GAGCTCTTCT ATGACGTGCT GTCCCCCTAC 120
 109 TCCTGGCTGG GCTTCGAGAT CCTGTGCCGG TATCAGAATA TCTGGAACAT CAACCTGCAG 180
 110 TTGCGGCCCA GCCTCATAAC AGGGATCATG AAAGACAGTG GAAACAAGCC TCCAGGTCTG 240
 111 CTTCCCCGCA AAGGACTATA CATGGCAAAT GACTTAAAGC TCCTGAGACA CCATCTCCAG 300
 112 ATTCCCACATCC ACTTCCCCAA GGATTCTTG TCTGTGATGC TTGAAAAAAGG AAGTTTGTCT 360
 113 GCCATGCGTT TCCTCACCGC CGTGAACATTG GAGCATCCAG AGATGCTGGA GAAAGCGTCC 420
 114 CGGGAGCTGT GGATGCGCGT CTGGTCAAGG AATGAAGACA TCACCGAGCC GCAGAGCATC 480
 115 CTGGCGGCTG CAGAGAAGGC TGGTATGTCT GCAGAACAAAG CCCAGGGACT TCTGGAAAAG 540
 116 ATCGCAACGC CAAAGGTGAA GAACCAGCTC AAGGAGACCA CTGAGGCAGC CTGCAGATAC 600
 117 GGAGCCTTTG GGCTGCCCAT CACCGTGGCC CATGTGGATG GCCAAACCCA CATGTTATTT 660
 118 GGCTCTGACC GGATGGAGCT GCTGGCGCAC CTGCTGGGAG AGAAGTGGAT GGGCCCTATA 720
 119 CCTCCAGCCG TGAATGCCAG ACTTTAACGAT TGCCCGGAGG AAGCAAACTC TTCGTATAAA 780
 120 AAAAGCAGGC CATCTGCTTA ACCCTTGGCT CCACCATAAG GCACTGGGAC TCGGATTTCT 840
 121 CTATCTGATA GAGGTATTT CTGTGGCCCT GGGAGCTGTC TGTCTTTCCC CTACCCCCAA 900
 122 GGATGCCAGG AAGACGTCCA CCATTAGCCA TGTGGCAACC TTTACTTCTA TGCCCTCACAA 960
 123 GTGCCTTCA GAGAGCCCCA ATTCTGCTTT CCCACAAAAT AACCTTAATG CCATCAGGCA 1020
 124 AAACAAAAAA AAAAAA 1035
 125
 126 (2) INFORMATION FOR SEQ ID NO:3:
 127
 128 (i) SEQUENCE CHARACTERISTICS:
 129 (A) LENGTH: 226 amino acids
 130 (B) TYPE: amino acid
 131 (C) STRANDEDNESS: single
 132 (D) TOPOLOGY: linear
 133
 134 (vii) IMMEDIATE SOURCE:
 135 (A) LIBRARY: GenBank
 136 (B) CLONE: ?
 137
 138 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
 139
 140 Met Gly Pro Ala Pro Arg Val Leu Glu Leu Phe Tyr Asp Val Leu Ser
 141 1 5 10 15
 142 Pro Tyr Ser Trp Leu Gly Phe Glu Val Leu Cys Arg Tyr Gln His Leu
 143 20 25 30
 144 Trp Asn Ile Lys Leu Lys Leu Arg Pro Ala Leu Leu Ala Gly Ile Met
 145 35 40 45
 146 Lys Asp Ser Gly Asn Gln Pro Pro Ala Met Val Pro His Lys Gly Gln
 147 50 55 60
 148 Tyr Ile Leu Lys Glu Ile Pro Leu Leu Lys Gln Leu Phe Gln Val Pro
 149 65 70 75 80
 150 Met Ser Val Pro Lys Asp Phe Phe Gly Glu His Val Lys Lys Gly Thr
 151 85 90 95
 152 Val Asn Ala Met Arg Phe Leu Thr Ala Val Ser Met Glu Gln Pro Glu

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/441,723*INPUT SET: S36415.raw*

153	100	105	110
154	Met Leu Glu Lys Val Ser Arg Glu Leu Trp Met Arg Ile Trp Ser Arg		
155	115	120	125
156	Asp Glu Asp Ile Thr Glu Ser Gln Asn Ile Leu Ser Ala Ala Glu Lys		
157	130	135	140
158	Ala Gly Met Ala Thr Ala Gln Ala Gln His Leu Leu Asn Lys Ile Ser		
159	145	150	155
160	Thr Glu Leu Val Lys Ser Lys Leu Arg Glu Thr Thr Gly Ala Ala Cys		160
161	165	170	175
162	Lys Tyr Gly Ala Phe Gly Leu Pro Thr Thr Val Ala His Val Asp Gly		
163	180	185	190
164	Lys Thr Tyr Met Leu Phe Gly Ser Asp Arg Met Glu Leu Leu Ala Tyr		
165	195	200	205
166	Leu Leu Gly Glu Lys Trp Met Gly Pro Val Pro Pro Thr Leu Asn Ala		
167	210	215	220
168	Arg Leu		
169	225		
170			

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/441,723

DATE: 02/21/2001

TIME: 23:50:50

INPUT SET: S36415.raw

Line

Error

Original Text

PAGE: 1

SEQUENCE MISSING ITEM REPORT
PATENT APPLICATION US/09/441,723

DATE: 02/21/20
TIME: 23:50:50

INPUT SET: S36415.raw

<< THERE ARE NO ITEMS MISSING >>

INPUT SET: S36415.raw

Line	Original Text	Corrected Text
3	(1) General Information	(1) GENERAL INFORMATION:
10	(ii) TITLE OF THE INVENTION: NEW GLUTATHIONE-	(ii) TITLE OF INVENTION: NEW GLUTATHIONE-S-TR